

Rahul Sheelavantar

Software Engineer

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Software Engineer (3+ yrs) building scalable, resilient full-stack systems with strong observability and clean architecture. I own the full engineering lifecycle — researching problems, designing solutions, and building them from scratch through to production delivery. Experience spans ETL pipelines, data lineage systems, workflow automation, process mining, and AI-powered agents, consistently delivering measurable business impact. Strong discipline around testing and maintainable code, with a track record of cutting build costs and improving developer efficiency across teams.

📁 EXPERIENCE

- Noesys Software, Software Engineer**
06/2023 – Present | Bengaluru
- Reduced **build time by 60%** and **project size by 90%**, directly accelerating deployment cycles and boosting developer productivity across the team.
 - Implemented **end-to-end data lineage tracking**, elevating platform observability and streamlining auditing, debugging, and operational transparency.
 - Delivered **process mining** capabilities including process discovery, conformance analysis, and performance monitoring.
 - Optimized workflow execution with **Apache Parquet**, cutting memory and storage footprint by **40%** and significantly accelerating large-scale data processing throughput.
 - Integrated **GenAI capabilities** across the product, enabling better process visibility and AI-assisted reconciliation within production workflows.
 - Architected a **dynamic workflow execution framework** using reflection and dependency injection — tasks added via assemblies with zero code changes, dramatically improving extensibility.
 - Developed a full-stack workflow automation platform in **.NET Core, ReactJS, and TypeScript** with native integrations to **BigQuery, Athena, Databricks, Genesys, Salesforce**
 - Designed and maintained **Docker-based microservices architecture**, ensuring scalable, modular, and independently deployable service boundaries.
 - Contributed to parallel execution and a **producer-consumer pipeline model** using the **Dataflow library**, improving execution speed and throughput.
 - Contributed to **GitHub CI/CD** implementation, helping reduce deployment time by **75% (2h → 30m)** and standardize release workflows across teams.
 - Built advanced UI components using **CodeMirror, AG Grid, and React Flow** — including dynamic, task-driven modules that auto-render based on available assemblies.
 - Contributed to **SQL parsing and table extraction using ANTLR**, supporting multi-database dialects and enriching SQL intelligence within the platform.
 - Authored complex, optimized **SQL** across multiple database engines to power data transformations, preparation pipelines, and analytical workloads within the workflow platform.

🧠 SKILLS

- Cloud & DevOps — AWS (EC2, Lambda, ECS, IAM, S3, SQS/SNS), Docker, Microservices, CI/CD
- Backend — .NET, Java, Node.js, Unit Testing, Microservices
- Frontend — ReactJS, TypeScript, CSS
- Databases — DuckDB, SQLite, Databricks, MySQL, Google BigQuery
- Domain Expertise — Workflow Automation, Data Lineage, Process Mining
- Integrations — Genesys, Braintree, SAP, Jira, Salesforce, HubSpot, Microsoft 365, OData, GraphQL, REST, MS Teams
- AI — GenAI, Prompt engineering, AI-assisted development, AI Agents

📜 CERTIFICATES

- Full stack web development** 📄 — 2160 Hours of practical training
- Programming in java** 📄 — Completed the course in NIIT in Feb-2020

🎓 EDUCATION

- Full Stack Web Development, Masai School**
2022 – 2023 | Bengaluru
- B.E. Mechanical Engineering,**
Gogte Institute of Technology
2016 – 2020 | Belagavi

🏆 AWARDS

- Budding Performer of the Year, Noesys Software**
2024
- 2nd Runner-up - Drone Building Event**
2019